PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE if the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number

ubstitute for form 1449B/PTO

Sheet

BY A TRUCK

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of

Filing Date	06/20/03	
First Named Inventor	Hagai Attias	
Art Unit	2641	
Examiner Name	Unknown	
Attorney Docket Number	MS302099.1/MSFTP435US	

Complete if Known

10/600,798

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7				
DŞ		M. OSTENDORF, V. V. DIGALAKIS, and O. A. KIMBALL, From HMMs to Segment Models: A Unified View of Stochastic Modeling for Speech Recognition, IEEE Trans. Speech Audio Process, Vol. 4, No. 5, 1996. pp. 360 - 378					
DS		Z. GHAHRAMANI and G. E. HINTON, Variational Learning for Switching State-Space Models, Submitted to Neural Computation, Vol. 12, 2000. pp. 831 - 864	ļ				
DS	***************************************	H. B. RICHARDS and J. S. BRIDLE, The HDM: A Segmental Hidden Dynamic Model of Coarticulation, Proc. ICASSP. Phoenix, 1999, pp. 357 - 360	ļ				
DS)***************	K. REINHARD and M. NIRANJAN, Diphone subspace mixture trajectory models for HMM complementation, Speech Communications, Vol. 38, 2002, pp. 237 - 265					
DS	******************	V. PAVLOVIC, B. J. FREY and T. S. HUANG, Variational Learning in Mixed-State Dynamic Graphical Models, in Proc. UAI, Stockholm, 1999, pp. 522 - 530					
DS		L. J. LEE, P. FIEGUTH and L. DENG, A Functional Articulatory Dynamic Model for Speech Production, in Proc. ICASSP, Salt Lake City, 2001, pp. 797 - 800	• ••••••••••••••••••••••••••••••••••••				
DS		J. Z. MA and L. DENG, A path stacked algorithm for optimizing dynamic regimes in a statistical hidden dynamic model of speech, Computer, Speech and Languages, Vol. 14, 2000, pp.101 - 114					
DS	***************************************	L. DENG and J. MA, Spontaneous speech recognition using a statistical coarticulatory model for the vocal-tract-resonance dynamics, J. Acous. Soc. Am., Vol. 108, No. 6, 2000, pp. 3036 - 3048	ļ				

.4 (• 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 • 1 •			 				

		 	
Examiner Signature	/Dorothy Siedler/	Date Considered	01/08/2007

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicants to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sheet

Substitute for form 1449/PTO

PTO/SB/08A (04-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known Application Number 10/600,798 Filing Date June 20, 2003 First Named Inventor Hagai Attias, et al. Art Unit 2641 **Examiner Name** Unknown Attorney Docket Number MS302099.1/MSFTP435US

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f Izzoen)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DS		^{US-} 6,249,763	06-19-2001	Minematsu	
DS		^{US-} 6,539,353	03-25-2003	Jiang, et al.	
DS		^{US-} 6,622,119	09-16-2003	Ramaswamy, et al.	
DS		^{US-} 6,629,073	09-30-2003	Hon, et al.	
DS		^{US-} 6,633,857	10-14-2003	Tipping	
		US			
_		US-			
		US-			
		US-			
		US-			
-		US-			
		US-			
-, · · ·		US-			
		US-			
		US-			·

		FOREI	GN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
	 				<u> </u>	<u></u>
	-					
			-			┢╾

Examiner Signature	/Dorothy Siedler/	Date Considered	01/08/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. The office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language

Trissation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
ad to respond to a collection of information unless it contains a valid OMB control number.

Subalitate for form 4440/DTO			Compl t if Known			
Substitute for form 1449/PTO				Application Numb r	10/600,798	
INFO	DRMATIO	N DIS	CLOSURE	Filing Date	June 20, 2003	
STA	STATEMENT BY APPLICANT			First Named Inventor	Hagai Attias, et al.	
			·	Art Unit	2641	
	(Use as many s	ineets as n	ecessary)	Examiner Name	Unknown	
Sheet	2	of	2	Attorney Docket Number	MS302099.1/MSFTP435US	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CIPRIAN CHELBA, et al., Exploiting Syntactic Structure for Language Modeling, Proceedings of the 35th Annual Meeting of the Association for Computational Linguistics and Seventeenth International Conference on Computational Linguistics, 1998, pp. 225-231	
	 	A. SAMOUELIAN, Use of Inductive Learning for Speech Processing, Department of Electrical and	
		Computer Engineering, University of Wollongong, 1996, 6 pages, Wollongong, Australia	
·			
			

Examiner Signature	/Dorothy Siedler/	Date Considered	01/08/2007
0.9.,0.0.0			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

^{*}EXAMINER: Initial it reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.